

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. - 5. (Canceled)

6. (New) A process for reclaiming spent selenium filter mass comprised of an inert material, residual selenium active substance and mercury selenide, said process comprising: treating the spent selenium filter mass with a hydrogen peroxide solution for leaching out the selenium content in essentially all of the residual selenium active substance so as to form selenious acid; separating the selenious acid; contacting the treated spent selenium filter mass with aqua regia solution for dissolving essentially all the mercury selenide; separating the aqua regia solution with the dissolved mercury selenide from the filter mass; and precipitating and separating the mercury in disposable form from the aqua regia solution.

7. (New) The process of claim 6, wherein the aqua regia solution containing the dissolved mercury selenide is treated to adjust the pH whereby elemental selenium is precipitated and the precipitated elemental selenium is separated and used to prepare new selenium filter mass.

8. (New) The process of claim 7, wherein the treatment of the aqua regia solution containing the dissolved mercury selenide to adjust the pH is carried out at an elevated temperature.

9. (New) The process of claim 6, wherein the treatment of the aqua regia solution containing the dissolved mercury selenide to adjust the pH is carried out at an elevated temperature.

10. (New) The process of claim 9, wherein the filter mass separated from the aqua regia solution and which comprises inert carrier material is washed and dried and used to prepare new selenium filter mass.

11. (New) The process of claim 8, wherein the filter mass separated from the aqua regia solution and which comprises inert carrier material is washed and dried and used to prepare new selenium filter mass.

12. (New) The process of claim 7, wherein the filter mass separated from the aqua regia solution and which comprises inert carrier material is washed and dried and used to prepare new selenium filter mass.

13. (New) The process of claim 6, wherein the filter mass separated from the aqua regia solution and which comprises inert carrier material is washed and dried and used to prepare new selenium filter mass.

14. (New) The process of claim 13, wherein the selenious acid formed by the treatment with the hydrogen peroxide solution is used to prepare new selenium filter mass.

15. (New) The process of claim 12, wherein the selenious acid formed by the treatment with the hydrogen peroxide solution is used to prepare new selenium filter mass.

16. (New) The process of claim 11, wherein the selenious acid formed by the treatment with the hydrogen peroxide solution is used to prepare new selenium filter mass.

17. (New) The process of claim 10, wherein the selenious acid formed by the treatment with the hydrogen peroxide solution is used to prepare new selenium filter mass.

18. (New) The process of claim 9, wherein the selenious acid formed by the treatment with the hydrogen peroxide solution is used to prepare new selenium filter mass.

19. (New) The process of claim 8, wherein the selenious acid formed by the treatment with the hydrogen peroxide solution is used to prepare new selenium filter mass.

20. (New) The process of claim 7, wherein the selenious acid formed by the treatment with the hydrogen peroxide solution is used to prepare new selenium filter mass.

21. (New) The process of claim 6, wherein the selenious acid formed by the treatment with the hydrogen peroxide solution is used to prepare new selenium filter mass.